DES-1250G

Layer 2 Switch

Web Smart 48-Port 10/100BASE-TX with 2 combo copper Gigabit/SFP ports

FEATURES

High-performance Wire-Speed Architecture:

- 13.6Gbps Switching capacity
- Non-blocking architecture
- 4K MAC address table
- 802.1Q VLANs
- Priority Queues
- Link aggregation
- Port mirroring
- Port setting (speed, availability, flow control)
- Web-based management
- Auto-discovery utility

Operational Simplicity:

- True plug & play
- Auto-Negotiation
- Clear, at-a-glance per port LED Indicators
- Auto-MDI/MDI-X detection

Investment Protection:

- Support for Industry Standards
- 10/100/1000Mbps or fiber media support via SFPs to uplinks

The Web Smart DES-1250G is equipped with 48 10/100BASE-TX Fast Ethernet ports and 2 combo 10/100/1000BASE-T/SFP (mini-GBIC) ports for flexible copper/fiber Gigabit connection. The DES-1250G is an effective solution for the small and medium size business connections. This all-in-one solution economically integrates Gigabit technology to remove server bottlenecks and speed up access to the network backbone. The DES-1250G is also furnished with Smart features that are ideal for simple QoS applications and basic network monitoring.

Exceptionally Smart

The DES-1250G provides Class of Service (CoS) features that are suitable for today's multimedia applications. Through the easy-to-use Web-based interface, an administrator can configure VLANs to segregate traffic, Priority Queues, to prioritize mission-critical data such as voice or video packets, and Link Aggregation to create fat traffic pipelines. The DES-1250G also provides network monitoring tools such as Port Mirroring and port statistics. Best of all, the password-protected configuration interface can be accessed remotely, allowing the DES-1250G to be monitored from anywhere on the network.

Easy To Use

Installation of the DES-1250G is hassle-free. No configuration is required. Auto-MDI/MDI-X crossover on all ports eliminate the need for crossover cables. Auto-Negotiation on each port senses the link speed of a network device (either 10, 100, 1000Mbps) and intelligently adjusts for compatibility and optimal performance. The DES-1250G also features diagnostic LEDs, which display status and activity, allowing for quick detection of network problems.

Superior Performance

The DES-1250G features a non-blocking wire-speed architecture with a 13.6Gbps switching capacity for maximum data throughput. With wire-speed filtering and store-and-forward switching, the DES-1250G also maximizes network performance while minimizing the propagation of bad network packets.

DES-1250G

Technical Specifications

Product/Performance specifications	
DES-1250G	(48) Ports 10/100Mbps plus (2) 1000BASE-T/SFP combo ports
MAC Address Table	4K
Switch Fabric	13.6Gbps
Transmission Method	Store-and-forward
Diagnostic LEDs	Per Unit: Power Per Port: Activity/Link & Speed One reset button
Packet Buffer Memory	1536KBytes
Max Power Consumption	24Watts

Interface Options

RJ-45	10BASE-T, 100BASE-TX, & 1000BASE-T
LC	On optional SFP transceiver

Network Protocols and Standards

IEEE	802.3 Ethernet, 802.3u, IEEE802.3ab, IEEE802.3z Gigabit Ethernet (fiber), 802.3x Flow Control

Smart Features

VLAN	802.1Q, maximum 64 groups
QoS	priority queues, maximum 2
Port Trunks	Up to 4 10/100 ports to form one trunk Up to 2 gigabit copper ports to form one trunk
Port Mirroring	One to one
Management	web-based configuration, graphic user interface Configuration reset through software or reset button Windows-based utility Trap settings for system events, device bootup, illegal login, port events, link events

Electrical & Emissions Summary

Emissions	CE Mark, FCC Class A
Power Supply	100-240VAC, 50/60Hz Internal Universal Power

Safety Agency Certifications and Environmental

Safety	CUL
Temperature	Operating 0^0 to 40^{0}C (32^0- 104^{0}F) Storage -10^0 to 70^{0}C (14^0-158^{0}F)
Humidity	Operating 5% to 90% RH, Non-condensing

Physical Specifications

Dimensions (W x D x H)	17.3 x 1.7 x 12.2 in, 19-inch rackmount width, 1RU
Weight	13.63 lbs

Warranty and Support Information

Warranty	5-Year Warranty (excluding power supplies and fans). Power supplies and fans carry a limited 1-Year warranty.
Support	Free 24/7 Technical Support

Ordering Information

Part Number	*Description*
DES-1250G	Web Smart 48-Port 10/100BASE-TX with 2 combo copper Gigabit/SFP ports
DEM-310GT	1000BASE-LX 3.3V SFP, up to 10Km (single mode)
DEM-311GT	1000BASE-SX 3.3V SFP, up to 220m/550m (multimode)
DEM-312GT	1000BASE-SX+ 3.3V SFP, up to 2Km (multimode)

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